

THE TWIN STAR RIB ROOF SYSTEM



The Star TWIN RIB panel design was developed many years ago and its performance has been exceptional. It has two features not generally available in any other rolled formed building panels.

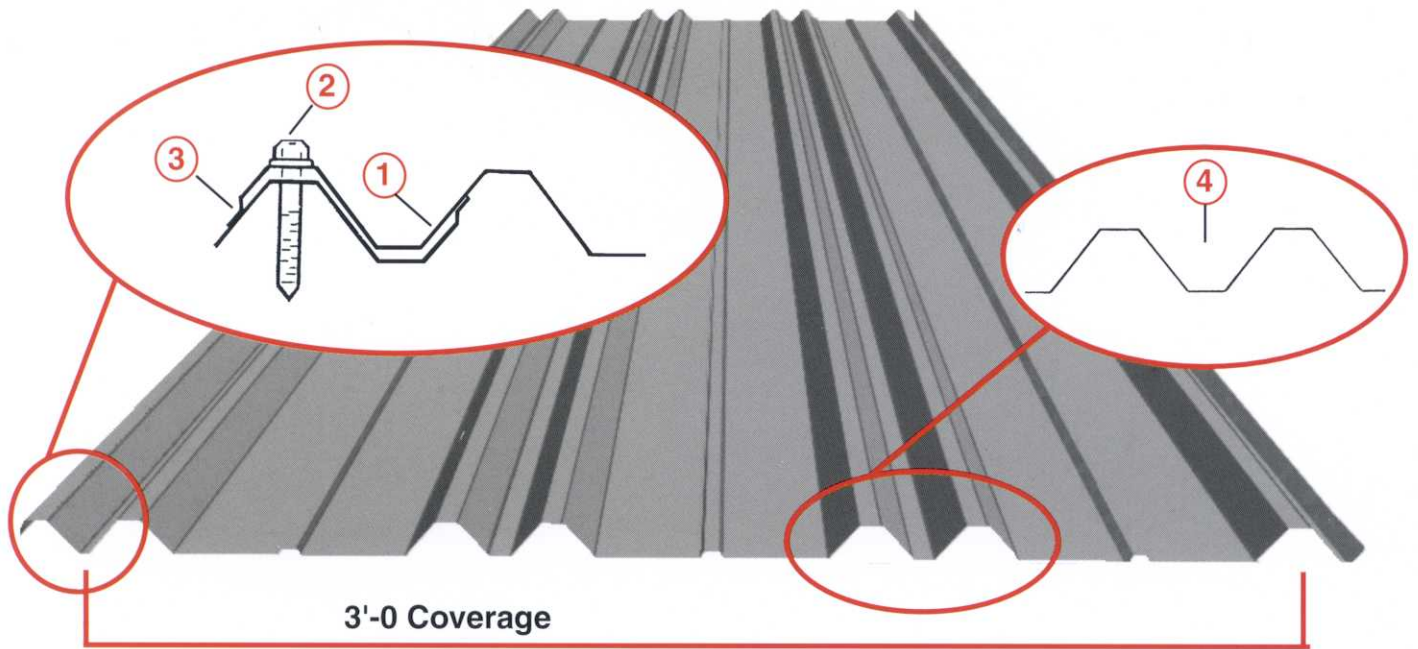
1. Star TWIN RIB has a special side lap joint called a WATERGUARD® where TWO ribs are lapped instead of one, and it provides TWO syphon breaks to block capillary action.



BUILDINGS

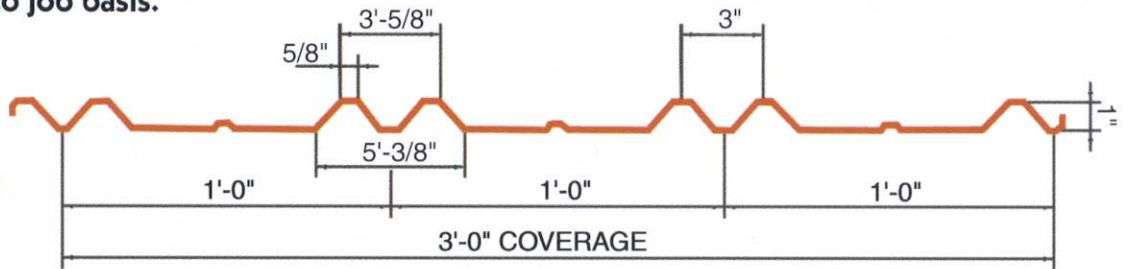
2. All attachment screws for the TWIN RIB panel are in the high point of the metal ribs, rather than in the valley, to guard against leakage through screw threads and to allow proper movement of the panel in expansion and contraction.

TWIN RIB FEATURES AND BENEFITS



1. TWIN RIB has a double side lap, instead of one conventional lap that most screw down roofs offer.
2. All fasteners are located at the top of panel ribs, above the water flow.
3. Rib edges are over formed to provide double syphon anti-capillary breaks.
4. Twin ribs, on one foot centers, makes the panel stronger than single rib panels.
5. TWIN RIB is stocked in 26 gauge, 37,000 PSI Zinc Aluminum coating steel with options for 24 gauge and color on a job to job basis.

Twin Rib Panel Profile



LOAD CAPACITIES

Material	Thickness Inch (mm)	Allowable Live Loads for Various Spans / psf				
		3-0	4-0	5-0	6-0	7-0
26 ga steel	.0185	87	49	31	21	16
24 ga steel	.0236	107	60	38	26	19

Allowable loads are based on 3 equal spans. For one or two spans multiply given values by 0.8.

SECTION PROPERTIES

Material	Wt. P.S.F.	Top / Comp.		Bottom / Comp.	
		I _x	S _{xT}	I _x	S _{xT}
*26 ga steel	.97	.0314	.0477	.0257	.0412
24 ga steel	1.19	.0380	.0541	.0325	.0509

* A. S. T. M. A792



Star Building Systems

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All Twin Rib is manufactured at our plant in Lockeford, CA. Star Building Systems are erected by independent building contractors. All Star claims as to the ultimate performance of its product are contingent upon proper erection techniques as employed by the erecting contractor. These techniques must be in accordance with Star Building Systems' suggested erection procedures. Star Building Systems is not liable for damages incurred through improper erection procedures. Descriptions and specifications contained herein were in effect at the time this publication was approved for printing. Star reserves the right to discontinue products at any time or change specifications and/or designs without notice and without incurring obligation.

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